

L Number	Hits	Search Text	DB	Time stamp
2	3723	compress\$ same (artifact\$4 noise) same (image video)	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:20
3	519	compress\$ near4 (artifact\$4 noise) near4 (image video)	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:21
4	100	(compress\$ near4 (artifact\$4 noise) near4 (image video)) same filter\$4	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:21
5	521388	((compress\$ near4 (artifact\$4 noise) near4 (image video)) same filter\$4) ssame motion	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:21
6	9	((compress\$ near4 (artifact\$4 noise) near4 (image video)) same filter\$4) same motion	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:29
7	21768	remov\$4 near4 compress\$4	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:30
8	590	(remov\$4 near4 compress\$4) near5 filter\$4	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:30
9	3	((remov\$4 near4 compress\$4) near5 filter\$4) near4 artifact\$3	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:36
10	850	motion same filter\$4 same decod\$4	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:36
11	560	(motion same filter\$4 same decod\$4) same (imag\$4 video)	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:37
12	75	((motion same filter\$4 same decod\$4) same (imag\$4 video)) same artifact\$3	USPAT; US-PGPUB; IBM TDB	2004/02/12 15:37

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12	75	((motion same filter\$4 same decod\$4) same (imag\$4 video)) same artifact\$3	USPAT; US-PGPUB; IBM_TDB	2004/02/12 15:37

6178205

DOCUMENT-IDENTIFIER: US 6178205 B1

TITLE: Video postfiltering  
with motion-compensated temporal  
filtering and/or  
spatial-adaptive filtering

----- KWIC -----

Detailed Description Text - DETX (3):

In accordance with an aspect of the invention, a video postfilter employs motion compensated temporal filtering and spatial adaptive filtering to improve image quality and remove coding artifacts. The temporal filtering uses motion vectors from multiple blocks to determine a reference value that is combined with the target pixel value being filtered. The reference value selected using multiple motion vectors better matches the target pixel value because the combination of motion vectors can better approximate motion of individual pixels than can a motion vector that indicates average motion of an entire block of pixel values. The spatial adaptive filtering uses the dynamic ranges of pixel values in blocks of different sizes to determine the visual context of the target pixel, and selects a filter for